

B 3952 US

Abstract

A tool for injection molding of toothbrush bodies of two different plastics components comprises two mold parts which can be moved relative to each other and together constitute four groups of parallel mold cavities. One of the mold parts has a recess for each group of mold cavities. A mold insert fits into the recess. Partial cavities are formed in the mold inserts, which partial cavities each correspond to a head portion of a toothbrush body. A first plastics component is injected into a first pair of groups of the mold cavities and a second plastics component is injected into a second pair of groups of the mold cavities. The mold cavities of the first pair of groups are arranged on the one side and those of the second group are arranged on the other side of a rotatable carrier arm to which the mold inserts are fastened. The mold cavities are arranged in each group parallel to each other and so as to have the same orientation. The mold cavities of the first pair of groups are arranged so as to lie opposite to those of the second pair of groups and, with respect to the center of motion of the carrier arm, so as to be point-symmetric to the mold cavities of the second pair of groups.